

Create Django web Site

- Python -m venv my1
- .\my1\Scripts\activate
- pip install Django
- update Django
- Django-admin startproject mysite . [Project name]
- TIME_ZONE = Asia/Kolkata
- python .\manage.py runserver
- For close Server Ctrl + C
- python .\manage.py migrate
- python .\manage.py createsuperuser
- Enter Password & Conform Password
- python .\manage.py startapp myapp
- Go To mysite-- setting.py -- INSTALLED_APPS
 - 'myapp', [add]
- Goto mysite – urls.py
 - Add include in [path,include]
 - path(",include('myapp.urls')) [Add path]
- Create file urls.py in myapp
 - from django.urls import path
 - from . import views
 -
 - urlpatterns = [
 - path("",views.index,name='index')
 -]
- Go myapp --- views.py
 - def index(request):
 - return render(request,'index.html')
- Go myapp – create templates folder
- Myapp --- templates
 - Index.html
 - Header.html
- Go index.html
 - TOP
 - {% extends 'header.html' %}
 - {% block content %}
 - Boutom
 - {% endblock %}

- Go header.html
 - Before Nav tag :
 - {% block content %}
 - {% endblock %}
- Add More Pages
 - Contact.html
 - Login.html
 - signup.html
 - user.html
 - change_password
- how to add in nav link in href
 - href = "{% url 'contact' %}"
 - href = "{% url 'signup'%}"
 - href = "{% url 'login' %}"
 - href = "{% url 'user.html' %}"
 - href = "{% url 'change_password' %}"
- Add all link set path
 - path('contact/',views.contact,name='contact'),
 - path('signup/',views.signup,name='signup'),
 - path('login/',views.login,name='login'),
- create Modals Function in views.py
 - def contact(request):
 - return render(request,'contact.html')
 - def signup(request):
 - return render(request,'signup.html')
 - def login(request):
 - return render(request,'login.html')
- Write code for contact.html html code
- Add models in models.py
 - class Contact(models.Model):
 - name=models.CharField(max_length=100)
 - email=models.EmailField()
 - mobile=models.PositiveIntegerField()
 - remark=models.TextField()
 -
 - def __str__(self):
 - return self.name
- Go admin.py in myapp
 - from .models import Contact
 - admin.site.register(Contact)
- python .\manage.py makemigrations
- python .\manage.py migrate

- Also Add in contact.html ---- in form tage
 - <form method="post" action="{% url 'contact' %}">
 - {% csrf_token %}
- Go views.py
 - Add from .models import Contact,User
 - def contact(request):
 - if request.method == 'POST':
 - Contact.objects.create(
 - name=request.POST['name'],
 - email=request.POST['email'],
 - mobile=request.POST['mobile'],
 - remark=request.POST['remark']
 -)
 - msg="Contact saved successfully"
 - contact=Contact.objects.all().order_by('-id')[:3]
 - return render(request,'contact.html',{'msg':msg,'contact':contact})
 - else:
 - contact=Contact.objects.all().order_by('-id')[:3]
 - return render(request,'contact.html',{'contact':contact})
- Go views.py
 - Go contact.html
 - {% if msg%}
 - <div class="alert alert-success" role="alert" style="margin-top: 20px;">
 - {{msg}}
 - {% endif %}

Recent Contacts :

- <h3>Recent Contacts :</h3>
 - <hr>
 - {% for i in contact %}
 - Name : {{i.name}}

 - Remarks : {{i.remark}}
<hr>
 - {% endfor %}
 - {% endfor %}
-
- Go views.py
 - contact=Contact.objects.all().order_by('-id')[:3]
 - return render(request,'contact.html',{'msg':msg,'contact':contact})
 - else:
 - contact=Contact.objects.all().order_by('-id')[:3]
 - return render(request,'contact.html',{'contact':contact})
 - Go views.py
 - msg="Contact saved successfully"
 - contact=Contact.objects.all().order_by('-id')[:3]
 - return render(request,'contact.html',{'msg':msg,'contact':contact})
 - else:
 - contact=Contact.objects.all().order_by('-id')[:3]
 - return render(request,'contact.html',{'contact':contact})

Sign-Up User

- Go Create Signup Form in html
- Go views.py
 - Import User
 - Create views signup function
 - def signup(request):
 - if request.method=="POST":
 - try:
 - User.objects.get(email=request.POST['email'])
 - msg="Email already exist"
 - return render(request,'signup.html',{'msg':msg})
 - except:

- if request.POST['password']==request.POST['c_password']:
 - User.objects.create(
 - fname=request.POST['fname'],
 - lname=request.POST['lname'],
 - mobile=request.POST['mobile'],
 - email=request.POST['email'],
 - address=request.POST['address'],
 - password=request.POST['password']
 -)
 - msg="Signup Successfully"
 - return render(request,'signup.html',{'msg':msg})
 - else:
 - msg="Password and Confirm Password does not match"
 - return render(request,'signup.html',{'msg':msg})
 - else:
 - return render(request,'signup.html')

- Go models.py

- Create Models Class User
 - class User(models.Model):
 - fname=models.CharField(max_length=100)
 - lname=models.CharField(max_length=100)
 - mobile=models.PositiveIntegerField()
 - email=models.EmailField()
 - address=models.TextField()
 - password=models.CharField(max_length=100)
 -
 -
 -
 -
 - def __str__(self):
 - return self.fname

- Go admin.py

- Import User
 - admin.site.register(User)

- python .\manage.py makemigrations

- python .\manage.py migrate

Login User

- Create login Form in html

- Go views.py

- def login(request):
 - if request.method == 'POST':

- try:


```

○     user=User.objects.get(email=request.POST['email'])
○     if user.password==request.POST['password']:
○         request.session['email']=user.email
○         request.session['fname']=user.fname
○         return render(request,'index.html')
○     else:
○         msg="Invalid password"
○         return render(request,'login.html',{'msg':msg})
○ except:
○     msg="Email does not exist"
○     return render(request,'login.html',{'msg':msg})
○ else:
○     return render(request,'login.html')
```
- Go headear.html
- {% if request.session.email %}


```

○     <li><a href="{% url 'change_password' %}"><span class="glyphicon glyphicon-edit"></span> Change Password</a></li>
○     <li><a href="{% url 'profile' %}"><span class="glyphicon glyphicon-user"></span> : {{request.session.fname}}</a></li>
○     <li><a href="{% url 'logout' %}"><span class="glyphicon glyphicon-log-out"></span> Logout </a></li>
○     {% endif %}
○     {% if request.session.email %}
○     {% else %}
○         <li><a href="{% url 'signup' %}"><span class="glyphicon glyphicon-user"></span> Sign Up</a></li>
○         <li><a href="{% url 'login' %}"><span class="glyphicon glyphicon-log-in"></span> Login</a></li>
○     {% endif %}
```
- Create change_password.html
 - Go urls.py
 - path('change_password/',views.change_password,name='change_password'),
 - go views.py
 - if request.method == 'POST':


```

○     user=User.objects.get(email=request.session['email'])
○     if user.password==request.POST['password']:
○         if request.POST['new_password']==request.POST['c_new_password']:
○             if user.password!=request.POST['new_password']:
○                 user.password=request.POST['new_password']
○                 user.save()
○                 del request.session['email']
```

- o **del request.session['fname']**
 - o **msg="Password Changed Successfully.Please login again"**
 - o **return render(request,'login.html',{'msg':msg})**
 - o **else:**
 - o **msg="New Password Can't Be From Old Password"**
 - o **return render(request,'change_password.html',{'msg':msg})**
 - o **else:**
 - o **msg="New Password & Confirm New Password does not match "**
 - o **return render(request,'change_password.html',{'msg':msg})**
 - o **else:**
 - o **msg="Invalid Old Password"**
 - o **return render(request,'change_password.html',{'msg':msg})**
 - o **else:**
 - o **return render(request,'change_password.html')**
 - o

- **Create Profile.html**

- o **Go urls.py**
 - o **path('change_password/',views.change_password,name='change_password'),**
 - o **go views.py**
 - o **user=User.objects.get(email=request.session['email'])**
 - o **if request.method == 'POST':**
 - o **user.fname=request.POST['fname']**
 - o **user.lname=request.POST['lname']**
 - o **user.mobile=request.POST['mobile']**
 - o **user.address=request.POST['address']**
 - o **user.save()**
 - o **request.session['fname']=user.fname**
 - o **msg="Profile Updated Successfully"**
 - o **return render(request,'profile.html',{'msg':msg,'user':user})**
 - o **return render(request,'profile.html',{'user':user})**

- **Create logout.html**

- o **Go urls.py**
 - o **path('change_password/',views.change_password,name='change_password'),**
 - o **go views.py**
 - o **try:**
 - o **del request.session['email']**
 - o **del request.session['fname']**
 - o **msg="Logout Successfully"**
 - o **return render(request,'login.html',{'msg':msg})**
 - o **except:**
 - o **msg="Logout Successfully"**
 - o **return render(request,'login.html',{'msg':msg})**